

\$	AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	00000000 00000000000000000000000000000		NN	
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STACLINT 16-Sep-1984 00:32:58 14-Sep-1984 12:15:40 VAX-11 Bliss-32 V4.0-742 Page DISK\$VMSMASTER:[DCL.SRC]STACLINT.B32;1 MODULE staclint (IDENT='V04-000',
ADDRESSING\_MODE(NONEXTERNAL=LONG\_RELATIVE,
EXTERNAL=GENERAL)) = BEGIN COPYRIGHT (c) 1978, 1980, 1982, 1984 BY DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS. ALL RIGHTS RESERVED. THIS SOFTWARE IS FURNISHED UNDER A LICENSE AND MAY BE USED AND COPIED ONLY IN ACCORDANCE WITH THE TERMS OF SUCH LICENSE AND WITH THE INCLUSION OF THE ABOVE COPYRIGHT NOTICE. THIS SOFTWARE OR ANY OTHER COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY OTHER PERSON. NO TITLE TO AND OWNERSHIP OF THE SOFTWARE IS HEREBY TRANSFERRED. THE INFORMATION IN THIS SOFTWARE IS SUBJECT TO CHANGE WITHOUT NOTICE AND SHOULD NOT BE CONSTRUED AS A COMMITMENT BY DIGITAL EQUIPMENT CORPORATION. DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE OR RELIABILITY OF ITS SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL. FACILITY: Stand-alone command language interface routines ABSTRACT: These routines are used to enable a stand-alone image to obtain the command parameters and qualifiers from the command language interpreter. **ENVIRONMENT:** VAX/VMS operating system. unprivileged user mode, AUTHOR: Peter George, October 1981 Modified by: PCG0006 Peter George 1 Include INTDEF instead of CLIDEF. V03-006 PCG0006 17-feb-1983 V03-005 PCG0005 PCG0005 Peter George 14-Dec-1982 Allocate local descriptor for command string. V03-004 PCG0004 Peter George 29-Nov-1982 Add argument to str\$analyze\_sdesc call. V03-003 PCG0003 02-Nov-1982 Peter George

STACLINT VO4-000			E 1 16-Sep-1984 00:32:58 14-Sep-1984 12:15:40	VAX-11 Bliss-32 V4.0-742 DISK\$VMSMASTER: [DCL.SRC]STACLINT.B3
: 58 : 59 : 60 : 61	0058 1 ! 0059 1 !	Add CLISNEXT QUAL. in CLISGET_VALUE.	Fix optional length assign Analyze input string descri	
: 62	0059 1   0060 1   0061 1   v03-( 0062 1   0063 1	002 PCG0002 Pet Add prompt argument	ter George 18-Oct-1982 to CLISDCL_PARSE.	
63 64 65 66 67 68 69	0064 1 V03-0 0065 1 0066 1 0067 1 0068 1 0069 1	01 PCG0001 Pet Use INT data struct Add prompt and cont Add value address t Add user argument t	ter George 17-Sep-1982 ture. tinuation routines to CLISDC to CLISGET VALUE. to CLISDISPATCH.	L_PARSE.
70	0070 1 0071 1 ! 0072 1 ! Include fi	es		
73	0072 1   Include fi 0073 1   0074 1 LIBRARY 'SYS' 0075 1 0076 1 REQUIRE 'SYS' 0252 1	LIBRARY:STARLET';		
74 75 76 77	0076 1 REQUIRE 'SYS	SLIBRARY: UTILDEF';	! Common VMS BLISS def	initions
78	0253 1 REQUIRE 'LIB	:INTDEF';	! Interface definition	S

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STACLINT
                                                                                                                                                                                                                                                                                                                                                                                                                                          16-Sep-1984 00:32:58
14-Sep-1984 12:15:40
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        VAX-11 Bliss-32 V4.0-742 Page DISK$VMSMASTER:[DCL.SRC]STACLINT.B32;1
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                                                                                                                                                                             Table of contents
                                                                                                                                                            FORWARD ROUTINE
clispresent,
clisget_value,
clisdcl_parse,
clisdispatch,
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Determine if entity present Get value of entity
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Parse a command line
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Dispatch to user processing routine
Signal any unprocessed modifiers
Get next qualifier
                                                                                                                                                                                         cliSend_parse.
cliSnext_qual;
                                                                                                                                                              EXTERNAL ROUTINE dcl$present.
                                                                                                                                                                                         dcl$getvalue,
dcl$dclparse,
dcl$dispatch,
                                                                                                                                                                                           dcl$nextqual,
                                                                                                                                                                                          dcl$endparse,
                                                                                                                                                                                         str$analyze_sdesc,
lib$get_vm,
lib$free_vm,
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Analyze input descriptor Allocate virtual memory
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Deallocate virtual memory
                                                                                                                                                                                           str$copy_dx;
                                                                                                                                                                                                                                                                                                                                                                                                                                             ! Copy to any class string
                                                                                                                                                                            External message definitions
                                                                                                                                                       EXTERNAL LITERAL

clis_nocomd,

clis_concat,

clis_comma,

clis_present,

clis_negated,

clis_locpres,

clis_locneg,

clis_defaulted,

clis_absent;
                                                                                                        0306
0307
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0311
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0313
0314
0315
                                                                                                                                                                                                                                                                                                                                                                                                                                                Prompt was ctrl/z-ed
Value is concatenated
Value is comma separated
Entity is explicitly globally present
Entity is explicitly not globally present
Entity is explicitly locally present
Entity is explicitly not locally present
Entity is implicitly present
Entity is implicitly present
Entity is implicitly not present
                 112
                   114
                   115
                 116
```

```
STACLINT
                                                                                                                                                                                  VAX-11 Bliss-32 V4.0-742 Pag
DISK$VMSMASTER:[DCL.SRC]STACLINT.B32;1
     1190
121
1223
1226
1226
1226
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1331
1336
1339
1339
                                                 GLOBAL ROUTINE clispresent (name) =
                                                                 Determine if an entity is present on the command line.
                                                    Inputs:
                                                                name = Address of entity name descriptor
                                                     Outputs:
                                                                 routine value = True if present, else false.
                                                BEGIN
                                                LOCAL
                                                        req_desc : BBLOCK [cli$c_reqdesc], ! Request descriptor block rpw : BBLOCK [cli$c_workarea],! Result parse work area req_flags : BITVECTOR [32]; ! Request flags array
      140
141
142
143
144
146
146
                                               CH$fILL@, cli$c_reqdesc, req_desc);
req_desc [int_b_type] = cli$k_present;
req_desc [int_l_getvm] = lib$get_vm;
req_desc [int_l_freevm] = lib$free_vm;
                                                                                                                                                      Zero request descriptor block
                                                                                                                                                      Set request type
                                                                                                                                                     Set address of get vm routine
Set address of free vm routine
                                                    Set entity name
      148
                                                str$analyze_sdesc (.name, req_desc [int_w_entlen], req_desc [int_l_entaddr]);
RETURN (dcl$present (req_desc, rpw, req_flags));! Call DCL utility
      150
                                                                                                                                                      .TITLE
                                                                                                                                                                      STACLINT
                                                                                                                                                                     DCL$PRESENT, DCL$GETVALUE
DCL$DCLPARSE, DCL$DISPATCH
DCL$NEXTQUAL, DCL$ENDPARSE
STR$ANALYZE_SDESC
LIB$GET_VM, LIB$FREE_VM
STR$COPY_DX, CLI$_NOTOMD
CLI$_CONTAT, CLI$_COMMA
CLI$_PRESENT, CLI$_NEGATED
CLI$_LOCPRES, CLI$_LOCNEG
CLI$_DEFAULTED, CLI$_ABSENT
                                                                                                                                                       .EXTRN
                                                                                                                                                       .EXTRN
                                                                                                                                                       .EXTRN
                                                                                                                                                       .EXTRN
                                                                                                                                                       .EXTRN
                                                                                                                                                       .EXTRN
                                                                                                                                                       .EXTRN
                                                                                                                                                       .EXTRN
                                                                                                                                                       .EXTRN
                                                                                                                                                                      SCODES, NOWRT, 2
                                                                                                                                                       .PSECT
                                                                                                                         00000
00002
00007
                                                                                                                                                                      CLISPRESENT, Save R2,R3,R4,R5
-160(SP), SP
#0, (SP), #0, #28, REQ_DESC
                                                                                                                003C
9E
2C
                                                                                                                                                                                                                                                                    0317
                                                                                                                                                       .ENTRY
                                                                               SE
6E
                                                                                                            CE
00
AD
8F
00
                                                                                                                                                      MOVAB
MOVC5
                                                                                              FF60
                      10
                                                   00
                                                                                                                                                                                                                                                                    0339
                                                                                                                         0000C
0000E
00013
                                                                                                                   90
9E
9E
                                                                                                                                                                      #80, REQ DESC
LIB$GET VM, REQ DESC+16
LIB$FREE_VM, REQ_DESC+20
                                                                               AD
AD
                                                                                                                                                      MOVAB
                                                                     E4 F8
                                                                                                                                                      MOVAB
```

STACLINT VO4-000					H 1 16-se 14-se	p-1984 00:32:58 p-1984 12:15:40	VAX-11 Bliss-32 V4.0-742 DISK\$VMSMASTER: [DCL.SRC]	STACLINT.B32;1 (3)
	0000000G	00	FO EC 04	AD ACCOSE	9F 00023 9F 00026 DD 00029 FB 0002C DD 00033	PUSHAB REC PUSHAB REC PUSHL NAM CALLS #3 PUSHAB RPS PUSHAB REC CALLS #3 RET	DESC+12 DESC+8 ME STR\$ANALYZE_SDESC	0346
	0000000G	00	08 E4	AE AD 03	9F 00035 9F 00038 FB 0003B 04 00042	PUSHAB RPU PUSHAB REG CALLS #3 RET	DESC DCL\$PRESENT	0348

; Routine Size: 67 bytes, Routine Base: \$CODE\$ + 0000

```
STACLINT
                                                                                                                                  VAX-11 Bliss-32 V4.0-742 Page DISK$VMSMASTER:[DCL.SRC]STACLINT.B32;1
                                   GLOBAL ROUTINE clisget_value (name, retdesc, retlength) =
    This routine is called to obtain the next value associated with a named entity on the command line.
                                      Inputs:
                                               name = Address of entity name descriptor
retdesc = Address of a return buffer descriptor
                                               retlength = Address of a longword to return the value
                                                                 length in
                                      Outputs:
                                               True = A value was returned (there may be more).
                                               false = There is no more values associated with entity.
                                               All other errors are signaled.
                                   BEGIN
                                         retdesc : REF BBLOCK:
                                   BUILTIN
                                         NULLPARAMETER:
                                   LOCAL
                                         req_desc : BBLOCK [clisc_reqdesc], ! Request descriptor block rpw : BBLOCK [clisc_workarea],! Result parse work area req_flags : BITVECTOR [32], ! Request flags array
                                         copy_status,
status;
                                   CH$fILL(0, cli$c_reqdesc, req_desc);
req_desc [int_b_type] = cli$k_getvalue;
req_desc [int_l_getvm] = lib$qet_vm;
req_desc [int_l_freevm] = lib$free_vm;
                                                                                                             Zero request descriptor block
                                                                                                          ! Set request type
! Set address of get vm routine
! Set address of free vm routine
                       0391
                                      Set entity name
                       0394
                                   str$analyze_sdesc (.name, req_desc [int_w_entlen], req_desc [int_l_entaddr]);
status = dcl$getvalue (req_desc, rpw, req_flags);! Call DCL utility
                       0395
                       0396
0397
                       0398
                                      If return length was requested, then find it now.
                       0399
                       0400
0401
0402
0403
                                   IF NOT NULLPARAMETER (3)
                                                                                                             If return length requested
                                        THEN (.retlength) <0.16> =
                                                                                                             then original estimate
                                                           .req_desc [int_w_retlen];
                                   If NOT (copy_status = str$copy_dx (.retdesc.
                                                                                                             Copy result into return desc
                                               req_desc [int_w_retlen]))
```

STACLINT V04-000 : 209 : 210 : 211 : 212 : 213 : 214 : 215 : 216 : 217 : 218 : 219 : 220 : 221	0407 2 0408 2 IF NOT NULLPA 0409 3 THEN BEGIN	16-Sep-1984 00:32:58	' (43
10	00 E4 F8 000000006	56 00000000G 00 9E 00002 MOVAB STR\$ANALYZE SDESC, R6  5E FF58 CE 9E 00009 MOVAB -168(SP), SP  6E 00 2C 0000E MOVC5 #0, (SP), #0, #28, REQ_DESC  AD 0000000G 00 9E 00015 MOVAB LIB\$GET 7M, REQ_DESC+16  AD 0000000G 00 9E 00022 MOVAB LIB\$FREE_VM, REQ_DESC+20  FO AD 9F 0002A PUSHAB REQ_DESC+12  EC AD 9F 0002A PUSHAB REQ_DESC+12  O4 AC DD 00030 PUSHAB REQ_DESC+8  04 AC DD 00036 PUSHL SP  10 AE 9F 00038 PUSHAB RPW E4 AD 9F 0003B PUSHAB REQ_DESC	0349 0386 0387 0388 0389 0394 0395
	00 00000000G 00000000G	BC	0402 0405 0406 0408
04 AE	08 BC OC	08 AE 9F 0007A PUSHAB TEMP+4 08 AE 9F 0007D PUSHAB TEMP 08 AC DD 00080 PUSHL RETDESC 66 03 FB 00083 CALLS #3, STR\$ANALYZE SDESC 10 00 ED 00086 CMPZV #0, #16, aRETDESC, TEMP 05 1B 0008D BLEQU 3\$ BC 04 AE BO 0008F MOVW TEMP, aRETLENGTH	0412 0413 0414

STACLINT

K 1 16-Sep-1984 00:32:58 VAX-11 Bliss-32 V4.0-742 Page 8 14-Sep-1984 12:15:40 DISK\$VMSMASTER:[DCL.SRC]STACLINT.B32:1 (4)

50

52 00 00094 3\$:

OVL STATUS, RO

: 0417

; Routine Size: 152 bytes, Routine Base: \$CODE\$ + 0043

```
STACLINT
                                                                                                                                    VAX-11 Bliss-32 V4.0-742 Page DISK$VMSMASTER:[DCL.SRC]STACLINT.B32;1
                                     GLOBAL ROUTINE clisdcl carse (command, tables, promptrtn, continetn, prompt) =
This routine can be called to parse a command line.
                                       Inputs:
                                                 command = address of descriptor of command string
tables = address of command tables
                                                promptrtn = address of user missing parameter prompt routine continent = address of user line continuation routine
                                                prompt = address of user prompt string descriptor
                                       Outputs:
                                                The command is parsed and the command work area is initialized.
                                    BEGIN
                                    BUILTIN
                                          NULLPARAMETER:
                                    LITERAL
                                          elements = 4:
                        04489
04451
04451
04556
04556
04556
0465
04668
04668
04668
04668
0475
0475
                                    LOCAL
                                          command_desc : BBLOCK [dsc$c_s_bln],
rtnlist : BBLOCK [4*(elements+T)],
req_desc : BBLOCK [cli$c_reqdesc],
rpw : BBLOCK [cli$c_workarea],
req_flags : BITVECTOR [32];
                                                                                                               Local command descriptor Routine list
                                                                                                               Request descriptor block
                                                                                                               Result parse work area
                                                                                                               Request flags array
                                    CH$fILL(0, cli$c_reqdesc, req_desc);
req_desc [int_b_type] = cli$k_dclparse;
req_desc [int_l_getvm] = lib$get_vm;
req_desc [int_l_freevm] = lib$free_vm;
                                                                                                               Zero request descriptor block
                                                                                                               Set request type
Set address of get vm routine
                                                                                                               Set address of free vm routine
                                    IF NOT NULLPARAMETER(1)
THEN BEGIN
                                                                                                             ! Set command line descriptor
                                                str$analyze_sdesc (.command, command_desc [dsc$w_length], command_desc [dsc$a_pointer]);
                                                 req_desc [int_l_entaddr] = command_desc;
                                    req_desc [int_l_tables] = .tables;
                                                                                                            ! Set address of command tables
                                    IF NOT NULLPARAMETER(3) OR NOT NULLPARAMETER(4) ! If prompt or continue routine
                                         THEN BEGIN
                                                CH$FILL(0, 4*(elements+1), rtnlist);
rtnlist [int_l_listlen] = elements;
req_desc [int_l_list] = rtnlist;
                                                                                                               Zero the list
                                                                                                               Set number of elements in list
                                                                                                             ! And connect it
                                    IF NOT NULLPARAMETER (3)
```

	STACLINT VO4-000		M 1 16-Sep-1984 00:32:58 VAX-11 Bliss-32 V4.0-742 Page 10 14-Sep-1984 12:15:40 DISK\$VMSMASTER:[DCL.SRC]STACLINT.B32;1 (5)	
The second secon	280 281 282 283 284 285 286 287 288	0476 0477 0478 0479 0480 0481 0482 0483	THEN rtnlist [int   promptrtn] = .promptrtn; ! Set address of prompt routine  IF NOT NULLPARAMETER(4)  THEN rtnlist [int   continrtn] = .continrtn; ! Set address of continue routine  ! Set prompt descriptor  THEN str\$analyze_sdesc (.prompt, rtnlist [int_w_pmptlen],	

007C 00000 .ENTRY CLISDCL_PARSE, Save R2,R3,R4,R5,R6	
56 0000000G 00 9E 00002 MOVAB STR\$ANATYZE SDESC. R6	: 0419
1C 00 5E FF44 CE 9E 00009 MOVAB -188(SP), SP 00 2C 0000E MOVC5 #0, (SP), #0, #28, REQ_DESC C8 AD 00013	: 0454
C8 AD 53 8F 90 00015 MOVB #83, REQ_DESC D8 AD 0000000G 00 9E 0001A MOVAB LIB\$GET_VM, REQ_DESC+16 DC AD 0000000G 00 9E 00022 MOVAB LIB\$FREE_VM, REQ_DESC+20 6C 95 0002A TSTB (AP) 16 13 0002C BEQL 1\$	0455 0456 0457 0459
04 AC D5 0002E TSTL 4(AP) 11 13 00031 BEQL 1\$	
FC AD 9F 00033 PUSHAB COMMAND_DESC+4	0462
66 03 FB 0003C CALLS #3, STR\$ANALYZE_SDESC D4 AD F8 AD 9E 0003F MOVAB COMMAND_DESC, REQ_DESC+12	: 0463
04 AC DD 00039 PUSHL COMMAND 66 03 FB 0003C CALLS #3, STR\$ANALYZE SDESC D4 AD F8 AD 9E 0003F MOVAB COMMAND_DESC, REQ_DESC+12 CC AD 08 AC DO 00044 1\$: MOVL TABLES, REQ_DESC+4 03 6C 91 00049 CMPB (AP), #3 05 1F 0004C BLSSU 2\$ 0C AC D5 0004E TSTL 12(AP)	0463 0466 0468
OC AC D5 0004F TSTL 12(AP)	
04 6C 91 00053 2S: CMPB (AP), #4	
15 1F 00056 BLSSU 4\$ 10 AC D5 00058 TSTL 16(AP) 10 13 0005B BEQL 4\$	
14 00 6E 00 2C 0005D 3\$: MOVC5 #0, (SP), #0, #20, RTNLIST	0470
E4 AD 00062 E4 AD 04 DO 00064 MOVL #4, RTNLIST E0 AD E4 AD 9E 00068 MOVAB RTNLIST, REQ_DESC+24	0471
EO AD E4 AD 9E 00068 MOVAB RINLIST, REQ_DESC+24 03 6C 91 0006D 48: CMPB (AP), #3	0471 0472 0475
0A 1F 00070 BLSSU 5\$ 0C AC D5 00072 TSTL 12(AP) 05 13 00075 BEQL 5\$	
E8 AD OC AC DO 00077 MOVL PROMPTRIN, RINLIST+4	0476
0A 1F 0007F RISSU 68	0477
10 AC D5 00081 TSTL 16(AP) 05 13 00084 BEQL 6\$ EC AD 10 AC D0 00086 MOVE CONTINETN, RETALIST+8	0/79
0) 6( 9) 00088 63: (MPB (AP), #)	0478 0479
11 1F 0008E BLSSU 7\$ 14 AC D5 00090 TSTL 20(AP)	:

STACLINT VO4-000					16 14	1 -Sep-1 -Sep-1	984 00:32 984 12:15	:58	VAX-11 Bliss-32 V4.0-742 DISK\$VMSMASTER:[DCL.SRC]STACL	Page 11 INT.B32;1 (5)
	00000000G 0	.6 0 C	4 AC	9F DD	000A6	7\$:	BEQL PUSHAB PUSHAB PUSHL CALLS PUSHAB PUSHAB CALLS RET	7\$ RTNLI RTNLI PROMP #3, S SP RPW REQ_DI #3, D	ST+16 ST+12 T TR\$ANALYZE_SDESC ESC CL\$DCLPARSE	0483 0483 0483

; Routine Size: 177 bytes, Routine Base: \$CODE\$ + 00DB

```
STACLINT
                                                                                                                           16-Sep-1984 00:32:58
14-Sep-1984 12:15:40
                                                                                                                                                                        VAX-11 Bliss-32 V4.0-742 Page DISK$VMSMASTER:[DCL.SRC]STACLINT.B32;1
     291239967899012345678990112345678990123456
                                              GLOBAL ROUTINE clisdispatch (argument) =
This routine can be called to dispatch to any verb processing routines if the command has the ROUTINE attribute.
                                                  Inputs:
                                                             argument = address of user supplied argument to his own routine
                              0496
0497
0498
0499
0500
                                                  Outputs:
                                                             The verb routine is called (if any).
                                                             The status passed back from the routine is returned in RO. If no routine is specified, success is returned.
                                              BEGIN
                                              BUILTIN
                               0507
0508
                                                     NULLPARAMETER:
                               0509
                                              LOCAL
                               0510
0511
0512
0513
                                                     req_desc : BBLOCK [cli$c_reqdesc], ! Request descriptor bloc
rpw : BBLOCK [cli$c_workarea],! Result parse work area
req_flags : BITVECTOR [32]; ! Request flags array
                                                                                                                              Request descriptor block
                                             CH$FILL(0, cli$c_reqdesc, req_desc);
req_desc [int_b_type] = cli$k_dispatch;
req_desc [int_l_getvm] = lib$get_vm;
req_desc [int_l_freevm] = lib$free_vm;
IF NOT NULLPARAMETER (1)
                              0514
0515
                                                                                                                                             Zero request descriptor block
                                                                                                                                            Set request type
Set address of get vm routine
Set address of free vm routine
                                              THEN req desc [int_l_entaddr] = .argument; ! Set address of user argument RETURN (dcl$dispatch (req_desc, rpw, req_flags));! Call callback utility
                                             END:
                                                                                                         003C 00000
9E 00002
2C 00007
                                                                                                                                                            CLISDISPATCH, Save R2.R3,R4,R5
-160(SP), SP
#0, (SP), #0, #28, REQ_DESC
                                                                                                                                                                                                                                                    0485
                                                                                                                                              .ENTRY
                                                                          SE
6E
                                                                                                      CE
                                                                                                                                             MOVAB
MOVC5
                                                                                        FF60
                     10
                                                00
                                                                                                                                                                                                                                                    0514
                                                                                                                   00000
                                                                                                     AD 8F 000 6C
                                                                                                                  0000E
00013
0001B
00023
00025
00027
                                                                                                                                                                                                                                                    0515
0516
0517
0518
                                                                          AD
AD
                                                                                                             90
9E
95
13
                                                                                                                                                            #84, REQ DESC
LIBSGET_VM, REQ DESC+16
LIBSFREE_VM, REQ_DESC+20
                                                                                                                                              MOVB
                                                                                000000006
                                                                                                                                              MOVAB
                                                                                                                                              MOVAB
                                                                                                                                              TSTB
                                                                                                                                                             (AP)
                                                                                                                                             BEOL
                                                                                                                                                             4(AP)
                                                                                                            D33000F
                                                                                            04
                                                                                                     ACOS AE AE
                                                                                                                                             BEQL
                                                                                                                  0002C
00031
00033
00036
                                                                                                                                                                                                                                                    0519
                                                                 FO
                                                                          AD
                                                                                            04
                                                                                                                                              MOVL
                                                                                                                                                             ARGUMENT, REQ_DESC+12
                                                                                                                                              PUSHL
```

RPW

REQ\_DESC

PUSHAB PUSHAB

08 E4

STACLINT

00000000G 00

03 FB 00039 04 00040

CALLS #3, DCL\$DISPATCH

: 0521

; Routine Size: 65 bytes, Routine Base: \$CODE\$ + 018C

STACLINT V04-000	D 2 16-Sep-1984 00:32:58 VAX-11 Bliss-32 V4.0-742 Page 14 14-Sep-1984 12:15:40 DISK\$VMSMASTER:[DCL.SRC]STACLINT.B32;1 (7)
329 3233123 3233333333333333333333333333	GLOBAL ROUTINE clisend_parse =    Comparison
10	00

; Routine Size: 46 bytes.

Routine Base: \$CODE\$ + 01CD

```
STACLINT
VO4-000
                                                                                                                                                       VAX-11 Bliss-32 V4.0-742 Pag
DISK$VMSMASTER:[DCL.SRC]STACLINT.B32;1
                                         GLOBAL ROUTINE clisnext_qual (name) =
     Move to the next command qualifier on the line.
                                             Inputs:
                                                       name = Address of entity name descriptor
                                            Outputs:
                                                       routine value = True if present, else false.
                                         BEGIN
                                         MAP
                                                name : REF BBLOCK:
                                         LOCAL
                                               req_desc : BBLOCK [cli$c_reqdesc], ! Request descriptor block rpw : BBLOCK [cli$c_workarea],! Result parse work area req_flags : BITVECTOR [32]; ! Request flags array
                                        CH$FILL(0, cli$c_reqdesc, req_desc);
req_desc [int_b_type] = cli$k_nextqual;
req_desc [int_l_getvm] = lib$get_vm;
req_desc [int_l_freevm] = lib$free_vm;
                                                                                                                               Zero request descriptor block
                                                                                                                               Set request type
Set address of get vm routine
                                                                                                                               Set address of free vm routine
                                            Set entity name
                                         str$analyze_sdesc (.name, req_desc [int_w_entlen], req_desc [int_l_entaddr]);
RETURN (dcl$nextqual (req_desc, rpw, req_flags));! Call DCL utility
                                                                                                      00000
00002
00007
0000C
0000E
                                                                                                                                            CLI$NEXT_QUAL, Save R2,R3,R4,R5
-160(SP), SP
#0, (SP), #0, #28, REQ_DESC
                                                                                                                                .ENTRY
                                                                                                                                                                                                                            0552
                                                                               FF60
                                                                                           COABOOD ADCSEEDS
                                                                                                                                MOVAR
                  10
                                           00
                                                                                                                                                                                                                            0577
                                                                                                                               MOVCS
                                                                                                                                            #85, REQ_DESC
LIB$GET_VM, REQ_DESC+16
LIB$FREE_VM, REQ_DESC+20
REQ_DESC+12
REQ_DESC+8
NAME
                                                                                                                                                                                                                            0578
0579
0580
0584
                                                                                                  90
9E
9F
9F
9F
DD
FB
9F
9F
                                                                   AD
                                                                                                                               MOVAB
                                                                                                       00013
0001B
                                                                        0000000G
                                                                                                                               MOVAB
PUSHAB
PUSHAB
                                                                        00000000G
                                                                                   FO
EC
04
                                                                                                                                PUSHL
                                                0000000G
                                                                                                                               CALLS
PUSHL
                                                                                                                                             #3, STR$ANALYZE_SDESC
                                                                                                                                                                                                                            0585
                                                                                                                                             RPW
                                                                                                                                PUSHAB
                                                                                                                                             REQ_DESC
#3, DCL$NEXTQUAL
                                                                                                                                PUSHAB
                                                0000000G
                                                                                                                                                                                                                            0586
```

STACLINT

F 2 16-Sep-1984 00:32:58 VAX-11 Bliss-32 V4.0-742 Page 16 14-Sep-1984 12:15:40 DISK\$VMSMASTER:[DCL.SRC]STACLINT.B32:1 (8)

; Routine Size: 67 bytes, Routine Base: \$CODE\$ + 01FB

STACLINT VO4-000 VAX-11 Bliss-32 V4.0-742 Page 17 DISK\$VMSMASTER:[DCL.SRC]STACLINT.B32;1 (9) **:** 395 **:** 396 1 END 0 ELUDOM .EXTRN LIB\$SIGNAL PSECT SUMMARY Name Bytes Attributes 574 NOVEC, NOWRT, RD , EXE, NOSHR, LCL, REL, CON, NOPIC, ALIGN(2) \$CODE\$ Library Statistics ----- Symbols -----Pages Processing File Total Loaded Percent Mapped Time \$255\$DUA28:[SYSLIB]STARLET.L32:1 9776 17 581 00:01.0 COMMAND QUALIFIERS BLISS/CHECK=(FIELD, INITIAL, OPTIMIZE) / NOTRACE/LIS=LIS\$: STACLINT/OBJ=OBJ\$: STACLINT MSRC\$: STACLINT/UPDATE=(ENH\$: STACLINT) 574 code + 0 data bytes 00:11.0 00:38.7 Size: Run Time: 00:11.
Elapsed Time: 00:38.
Lines/CPU Min: 3207
Lexemes/CPU-Min: 19881
Memory Used: 95 pages
Compilation Complete

0074 AH-BT13A-SE

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